

ALDER

Grading rules

Natural alder is an excellent material for saunas, as it does not contain resin. Alder wood is very unique, like a chameleon - freshly sawn alder is bright white, but soon becomes yellow, then orange, then dark orange, and finally more pink and purplish hues come along. Often the color of alder wood intensifies as the wood ages.

Version juuli 2024 //

The material is sorted into quality classes based on the conditions below.

Up to 5% of the volume can be of lower grade.

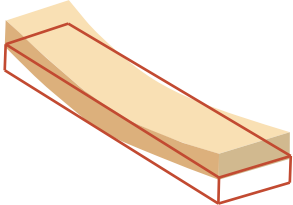
Grading will be carried out **by the visible face** (if it's definated) or by the better face.



| Defect | Grade A | | Grade B | |
|---------------------|------------------|---|------------------|---|
| | Visible face | Back face | Visible face | Back face |
| SOUND KNOTS | max size 10 mm | allowed | max size 10 mm | allowed |
| DEAD KNOTS | not allowed | allowed | not allowed | allowed |
| BROKEN KNOTS | not allowed | allowed | not allowed | allowed |
| KNOT HOLES | not allowed | allowed if not through the whole board | not allowed | allowed if not through the whole board |
| KNOT SHAKES | not allowed | allowed | not allowed | allowed |
| END SHAKES | max length 10 mm | max length 10 mm | max length 10 mm | max length 10 mm |
| SHAKES | not allowed | not allowed | not allowed | not allowed |
| SURFACE SHAKES | not allowed | allowed | not allowed | allowed |
| WANE | not allowed | allowed, but must not affect installation | not allowed | allowed, but must not affect installation |
| MECHANICAL DEFECTS | not allowed | allowed, but must not affect installation | not allowed | allowed, but must not affect installation |
| HIT AND MISS | not allowed | max 1/2 of board width | not allowed | max 1/2 of board width |
| FEED ROLLER MARKS | not allowed | allowed, but must not affect installation | not allowed | allowed, but must not affect installation |
| ROT/BLUE STAIN/BARK | not allowed | max 5% of surface area | not allowed | max 5% of surface area |

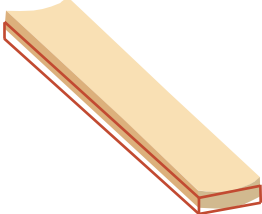
| Defect | Grade A | | Grade B | |
|-----------------|--------------|-------------|--------------|-------------|
| | Visible face | Back face | Visible face | Back face |
| SCARS | not allowed | allowed | not allowed | allowed |
| MINERAL STREAKS | allowed | allowed | lubatud | allowed |
| DISCOLORATION | not allowed | allowed | lubatud | allowed |
| INSECT HOLES | not allowed | not allowed | not allowed | not allowed |

BOW



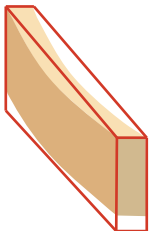
bench boards max 15 mm per meter wall
panels max 25 mm per meter

CUP



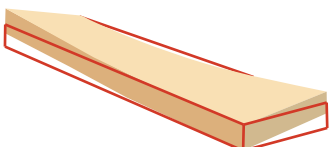
max 2.5% of the board width

SPRING, CROOK



bench boards max 6 mm per meter wall
panels max 10 mm per meter

TWIST



bench boards max 6 mm per meter wall
panels max 9 mm per meter

TOLERANCES:
thickness: +/- 0,5 mm;
cover width: +/- 2,5%;
length: +10/- 3 mm
per linear meter